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EXAMINER	
LANIER, BENJAMIN E	
ART UNIT	**PAPER NUMBER**
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Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No. 10/684,238	Applicant(s) GLEESON ET AL.	
	Examiner Benjamin E. Lanier	Art Unit 2132	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☐ Responsive to communication(s) filed on _____.

2a)☐ This action is **FINAL**. 2b)☒ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) 1-31 is/are pending in the application.

4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) 1-31 is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☐ The drawing(s) filed on _____ is/are: a)☐ accepted or b)☐ objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a)☐ All b)☐ Some * c)☐ None of:

1.☐ Certified copies of the priority documents have been received.

2.☐ Certified copies of the priority documents have been received in Application No. _____.

3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☒ Notice of References Cited (PTO-892)

2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)

3) ☐ Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date _____.

4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ .

5) ☐ Notice of Informal Patent Application

6) ☐ Other: _____.

DETAILED ACTION

Claim Rejections - 35 USC § 112

1. The following is a quotation of the second paragraph of 35 U.S.C. 112:

> The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

2. Claim 15 is rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

3. Claim 15 recites the limitation "said second proprietary data network segment" in lines 4-5. There is insufficient antecedent basis for this limitation in the claim.

Claim Rejections - 35 USC § 102

4. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

> A person shall be entitled to a patent unless –
>
> (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

5. Claims 1-2, 4-7, 10-17, 22-28 are rejected under 35 U.S.C. 102(b) as being anticipated by Wright, U.S. Patent No. 6,353,734. Referring to claim 1, Wright discloses a communication system for engine event reporting wherein sensors are positioned on an aircraft for sensing engine conditions and generating engine data relating to the operation of the engine (Col. 2, lines 3-10), which meets the limitation of receiving a stream of data at the supervisory processor. The aircraft includes a communications interface for accessing the sensor data, encrypting the data, and transmitted the data via a selected sub-channel of the wireless ground communication link to a wireless router that forwards to encrypted data to a remote airline flight operations control

center (Col. 8, lines 12-33), which meets the limitation of controlling transmission of the stream of data from the supervisory processor to the subscriber based on the supervisory processor configuration, receiving an enabling configuration at the supervisory processor which alters the supervisory processor configuration, and transmitting at least a portion of the controlled stream of data from the supervisory processor to the subscriber based on the supervisory processor configuration.

Referring to claim 2, Wright discloses that the sensors monitor the aircraft for engine hydraulics, oil pressure, engine cut-off, fuel flow, the N2L and N1L both in percentage terms (Col. 15, lines 1-5), which meets the limitation of transmitting a plurality of process system data from a process control system.

Referring to claims 4-7, Wright discloses that the sensor information is encrypted prior to being transmitted (Col. 8, lines 24-34), which meets the limitation of controlling transmission of the stream of data from the supervisory processor to the subscriber comprises selectively disabling a subscriber access port on the supervisory processor, when obfuscating data transmitted to a subscriber access port on the subscriber processor comprises deobfuscating data at a subscriber processing using a client application, transmitting data to a subscriber access port on the supervisory processor without deobfuscating the data, deobfuscating data at a subscriber processor using a client application.

Referring to claims 10-11, Wright discloses a communication system for jet engine event reporting wherein sensors are positioned on an aircraft for sensing engine conditions and generating engine data relating to the operation of the engine (Col. 2, lines 3-10 & Col. 14, lines 1-8), which meets the limitation of the supervisory processor is at least one of a gas turbine engine data acquisition system and a gas turbine engine on-site monitor, and an operator interface receiving a stream of data at the supervisory processor further comprises receiving a stream of gas turbine operational data, receiving a stream of gas turbine operational data that includes combustor dynamics data.

Referring to claims 12, 15, 16, 22-28, Wright discloses a communication system for jet engine event reporting wherein sensors are positioned on an aircraft for sensing engine conditions and generating engine data relating to the operation of the engine (Col. 2, lines 3-10 & Col. 14, lines 1-8), which meets the limitation of a gas turbine control system communicatively coupled to at least one engine sensor, the gas turbine engine operational data including combustor dynamics data. The aircraft includes a communications interface for accessing the sensor data, encrypting the data, and transmitted the data via a selected sub-channel of the wireless ground communication link to a wireless router that forwards to encrypted data to a remote airline flight operations control center (Col. 8, lines 12-33 & Figure 8), which meets the limitation of a first proprietary network segment configured to receive proprietary data communication from a proprietary data source, a supervisory processor communicatively coupled to said first proprietary network for receiving gas turbine engine operational data, said processor configured to execute software instructions based on a processor configuration, a second proprietary data network communicatively coupled to said supervisory processor, a subscriber network segment coupled to said supervisory processor said segment configured to selectively transmit subscriber data/gas turbine engine operational data from said supervisory processor to a subscriber, receive proprietary data from said first proprietary network segment, transmit proprietary data to said second proprietary data network segment, alter the processor configuration based on commands received from said second proprietary data network segment, and transmit subscriber data to said subscriber network segment based on the processor configuration, said first proprietary network segment transmits obfuscated proprietary data, said supervisory processor is further configured to deobfuscate data received from said gas turbine control system through said first proprietary network, said supervisory processor is further configured to selectively transmit data to said second proprietary data network based on a supervisory processor configuration.

Referring to claim 13, Wright discloses a second proprietary data network segment communicatively coupled to said supervisory processor, said second proprietary data network segment configured to transmit proprietary data from said supervisory processor to a proprietary wide area network (WAN)(Figure 8, 32).

Referring to claims 14, 17, Wright discloses that unencrypted data is transmitted over the WAN (Col. 16, lines 56-67), which meets the limitation of said second proprietary data network segment transmits data that is unobfuscated, said subscriber network segment is configured to receive subscriber data that is not obfuscated.

Claim Rejections - 35 USC § 103

6. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

> (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

7. The factual inquiries set forth in *Graham* v. *John Deere Co.*, 383 U.S. 1, 148 USPQ 459 (1966), that are applied for establishing a background for determining obviousness under 35 U.S.C. 103(a) are summarized as follows:

1. Determining the scope and contents of the prior art.
2. Ascertaining the differences between the prior art and the claims at issue.
3. Resolving the level of ordinary skill in the pertinent art.
4. Considering objective evidence present in the application indicating obviousness or nonobviousness.

8. Claims 3, 8, 9, 18-21, 29-31 are rejected under 35 U.S.C. 103(a) as being unpatentable over Wright, U.S. Patent No. 6,353,734, in view of Allen, U.S. Patent No. 6,476,763. Referring to claims 3, 8, 9, 18-21, 29-31, Wright does not disclose disabling the transmission of monitored information from the aircraft, nor an enabling configuration that expires after a predetermined time period. Allen discloses a vehicle telemetry system whose transmission system is disabled through sleep modes (Col. 7, lines 1-12), which meets the limitation of controlling transmission of the stream of data from the supervisory processor to the subscriber comprises selectively disabling a subscriber access port on the supervisory processor, receiving an enabling configuration that expires after a predetermined time period, such that the supervisory processor configuration is altered upon expiration of the enabling configuration, receiving an enabling configuration that expires after a predetermined time period such that the supervisory processor configuration is altered to deny transmission of the stream of data from the supervisory processor to the subscriber, said supervisory processor comprises a subscriber data port, said port is configurable to transmit data in a first state, and to prevent transmission of data in a second state, said supervisory processor is further configured to alter a state of said subscriber data port based on the processor configuration, said supervisory processor is further configured to alter the state

of said subscriber data port based on a remotely-received/locally received processor command. It would have been obvious to one of ordinary skill in the art at the time the invention was made to utilize a sleep mode for the transmission system of Wright in order to save significant power as taught by Allen (Col. 7, lines 12-18).

Conclusion

9. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Walker, U.S. Patent No. 6,647,328

Pillar, U.S. Patent No. 6,882,917

Ziarno, U.S. Patent No. 6,943,699

Korkosz, U.S. Patent No. 6,781,513

Jiang, U.S. Patent No. 6,278,913

10. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Benjamin E. Lanier whose telephone number is 571-272-3805. The examiner can normally be reached on M-Th 6:00am-4:30pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Gilberto Barron can be reached on 571-272-3799. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Benjamin E. Lanier
Primary Examiner